

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6610839").PN.	USPAT	OR	OFF	2005/07/08 14:30
L2	11607	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction)	USPAT	OR	OFF	2005/07/08 14:32
L3	2787	((dna adj ligase) or ligation) same (anneal or annealing or annealing or annealed) same (digest or digestion or digested or restriction)	USPAT	OR	OFF	2005/07/08 14:33
L4	286	((dna adj ligase) or ligation) same (anneal or annealing or annealing or annealed) same (digest or digestion or digested or restriction) same codon	USPAT	OR	OFF	2005/07/08 14:34
L5	14	((dna adj ligase) or ligation) same (anneal or annealing or annealing or annealed) same (digest or digestion or digested or restriction) same (preceding with codon)	USPAT	OR	OFF	2005/07/08 14:54
L6	333	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction) and (preceding with codon) and vector	USPAT	OR	OFF	2005/07/08 14:55
L7	93	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction) and ((preceding with codon) same vector)	USPAT	OR	OFF	2005/07/08 15:51
L8	10	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction) and ((preceding with (stop adj codon)) same vector)	USPAT	OR	OFF	2005/07/08 15:00
L9	0	(protein adj array) with purification	USPAT	OR	OFF	2005/07/08 15:51
L10	0	(protein adj array) same purification	USPAT	OR	OFF	2005/07/08 15:51
L11	198	(protein adj array)	USPAT	OR	ON	2005/07/08 17:02
L12	94625	(start adj codon) marker (stop adj codon) with marker	USPAT	OR	ON	2005/07/08 17:03

L13	12	(start adj codon) with (stop adj codon) with marker	USPAT	OR	ON	2005/07/08 17:08
L14	0	(start adj codon) with (stop adj codon) with (two adj marker)	USPAT	OR	ON	2005/07/08 17:08
L15	0	((start adj codon) with (stop adj codon)) same (two adj marker)	USPAT	OR	ON	2005/07/08 17:08
L16	23	((start adj codon) with (stop adj codon)) and (two adj marker)	USPAT	OR	ON	2005/07/08 17:12
L17	62	((start adj codon) with marker)	USPAT	OR	ON	2005/07/08 17:28
L18	0	L17 and (protein adj array)	USPAT	OR	ON	2005/07/08 17:13
L19	62	L17 and vector	USPAT	OR	ON	2005/07/08 17:18
L20	1	((start adj codon) with replac\$ with marker)	USPAT	OR	ON	2005/07/08 17:15
L21	0	((start adj codon) with label)	USPAT	OR	ON	2005/07/08 17:17
L22	11	((start adj codon) same label)	USPAT	OR	ON	2005/07/08 17:17
L23	0	((start adj codon) with (marker adj dna adj sequence))	USPAT	OR	ON	2005/07/08 17:19
L24	7	((start adj codon) with following with marker)	USPAT	OR	ON	2005/07/08 17:20
L25	62	((start adj codon) with marker)	USPAT	OR	ON	2005/07/08 17:20
L26	5	(gfp or (green adj fluorescent adj protein)) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 17:30
L27	21	(gfp or (green adj fluorescent adj protein)) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 17:56
L28	16	I27 not I26	USPAT	OR	ON	2005/07/08 17:45
L29	1	("6197599").PN.	USPAT	OR	OFF	2005/07/08 17:45
L30	12	(gfp or (green adj fluorescence adj protein)) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 17:59
L31	0	(label) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 17:59
L32	54	(marker) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 17:59
L33	12	(marker) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:02
L34	54	(marker) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 18:02
L35	154	(tag or tagged) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:03
L36	0	(tag or tagged) with (start adj codon) with "and" with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:03

L37	0	(tag or tagged) with (start adj codon) with "as well as" with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:03
L38	0	(tag or tagged) with (start adj codon) with "or" with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:03
L39	154	(tag or tagged) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:05
L40	0	(his-tag or tagged) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:05
L41	12	(his-tag or tagged) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 18:10
L42	69	(his-tag or tagged or label or marker) with (start adj codon)	USPAT	OR	ON	2005/07/08 18:24
L43	1	label with flanked with dna	USPAT	OR	ON	2005/07/08 18:25
L44	0	label with flanked with (start adj codon)	USPAT	OR	ON	2005/07/08 18:25
L45	0	label with (start adj codon)	USPAT	OR	ON	2005/07/08 18:25
L46	3	fluorescein with (start adj codon)	USPAT	OR	ON	2005/07/08 18:48
L47	43	two with marker with flanking with dna	USPAT	OR	ON	2005/07/08 18:51
L48	8	L47 and (start adj codon) and (stop adj codon)	USPAT	OR	ON	2005/07/08 18:49
L49	368	markers with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L50	93	L49 and (start adj codon) and (stop adj codon)	USPAT	OR	ON	2005/07/08 18:51
L51	32	L49 and ((start adj codon) with (stop adj codon))	USPAT	OR	ON	2005/07/08 18:51
L52	0	(two adj markers) with flanking with dna	USPAT	OR	ON	2005/07/08 19:11
L53	368	"markers" with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L54	0	L53 not (marker)	USPAT	OR	ON	2005/07/08 19:14
L55	368	markers with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L56	100	markers with flanking with dna	USPAT	OR	OFF	2005/07/08 19:15
L57	38	L56 and array	USPAT	OR	OFF	2005/07/08 19:30
L58	0	L56 and (protein adj array)	USPAT	OR	OFF	2005/07/08 19:20
L59	4	L56 and (protein with array)	USPAT	OR	OFF	2005/07/08 19:20
L60	1	("6350853").PN.	USPAT	OR	OFF	2005/07/08 19:41
L61	1	("5741645").PN.	USPAT	OR	OFF	2005/07/08 19:42

DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
ENTRY DATE: Entered STN: 19981130
Last Updated on STN: 19981130

AB A UGA codon and a selenocysteine insertion sequence in the 3'-untranslated region are the only established mRNA elements necessary for selenocysteine (Sec or U) incorporation during translation. These two elements, however, do not universally confer efficient Sec incorporation. The objective of this study was to systematically examine the effect of UGA codon position on efficiency of Sec insertion. In a glutathione peroxidase-1 (F-GPX1) expression vector, the UGA at the native position (U47) was mutated to a cysteine codon, and codons for Ser-7, Ser-12, Ser-18, Ser-29, Ser-45, Ser-93, Cys-154, Val-172, Ser-178, and Ser-195 were individually mutated to UGA and transiently expressed in COS-7 cells. 75Se incorporation at the 11 positions was 31, 72, 54, 105, 90, 100, 146, 135, 13, 11, and 43%, respectively, of 75Se incorporation at U47, suggesting that Sec is more efficiently incorporated at UGA codons positioned in the middle of the coding region rather than close to the 5' or 3' ends. Ribonuclease protection showed that these differences were not due to differences in mRNA level. When the **green fluorescence protein (GFP)** coding region was placed in-frame at the 5' or 3' ends of the coding region in F-GPX1 to produce chimeric 50-51-kDa **GFP/GPX1** proteins, Sec incorporation at UGA codons, formerly close to the 5' or 3' ends, was increased to levels comparable to the UGA at U47. Insertion of **GFP** after the UAA-stop was just as effective in increasing Sec insertion efficiency as **GFP** inserted before the stop. These studies used a recombinant expression model that incorporated Sec at non-native UGA codons at rates equal to those of endogenous glutathione peroxidase-1 and showed that the efficiency of Sec incorporation can be modulated by UGA position; Sec incorporation at high efficiency appears to require that the UGA be >21 nucleotides from the AUG-start and >204 nucleotides from the selenocysteine insertion sequence element.

=>
=>
=>
=> s markers (1w) flanking (1w) dna
L5 5 MARKERS (1W) FLANKING (1W) DNA

=> d ibib abs 1-5

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1997:104102 CAPLUS
DOCUMENT NUMBER: 126:127703
TITLE: Characterization of recombination in the HLA class II region
AUTHOR(S): Cullen, Michael; Noble, Janelle; Erlich, Henry; Thorpe, Karen; Beck, Stephan; Klitz, William; Trowsdale, John; Carrington, Mary
CORPORATE SOURCE: Intramural Research Support Program, SAIC Frederick, National Cancer Institute-Frederick Cancer Research and Development Center, Frederick, MD, 21702, USA
SOURCE: American Journal of Human Genetics (1997), 60(2), 397-407
CODEN: AJHGAG; ISSN: 0002-9297
PUBLISHER: University of Chicago Press
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Studies of linkage disequil. across the HLA class II region have been useful in predicating where recombination is most likely to occur. The strong assocns. between genes within the 85-kb region from DQB1 to DRB1 are consistent with low frequency of recombination in this segment of DNA. Conversely, a lack of association between alleles of TAP1 and TAP2 (.apprx.15 kb) has been observed, suggesting that recombination occurs here with

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:36:30 ON 08 JUL 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'STNGUIDE' ENTERED AT 17:36:33 ON 08 JUL 2005

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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jul 1, 2005 (20050701/UP).

=> file .bio

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.06

0.27

FILE 'CAPLUS' ENTERED AT 17:36:38 ON 08 JUL 2005

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FILE 'MEDLINE' ENTERED AT 17:36:38 ON 08 JUL 2005

FILE 'EMBASE' ENTERED AT 17:36:38 ON 08 JUL 2005

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=> s green adj fluorescent adj protein or gfp

L1 39816 GREEN ADJ FLUORESCENT ADJ PROTEIN OR GFP

=> s (green (1w) fluorescent (1w) protein) or gfp

L2 68933 (GREEN (1W) FLUORESCENT (1W) PROTEIN) OR GFP

=> L2 and (start (1w) codon) and (stop (1w) codon)

L3 14 L2 AND (START (1W) CODON) AND (STOP (1W) CODON)

=> d ibib abs 1-14

L3 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:530217 CAPLUS

TITLE: Characterization of an exchangeable gene trap using
pU-17 carrying a **stop codon**
-βgeo cassette

AUTHOR(S): Taniwaki, Takuya; Haruna, Kyoko; Nakamura, Hiroshi;
Sekimoto, Tomohisa; Oike, Yuichi; Imaizumi, Takashi;
Saito, Fumiyo; Muta, Mayumi; Soejima, Yumi; Utoh,
Ayako; Nakagata, Naomi; Araki, Masatake; Yamamura,
Ken-ichi; Araki, Kimi

CORPORATE SOURCE: Institute of Molecular Embryology and Genetics,
Kumamoto University, Kumamoto, 862-0976, Japan

SOURCE: Development, Growth & Differentiation (2005), 47(3),
163-172

CODEN: DGDFA5; ISSN: 0012-1592

PUBLISHER: Blackwell Publishing Asia Pty Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB We have developed anew exchangeable gene trap vector, pU-17, carrying the

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L4	286	((dna adj ligase) or ligation) same (anneal or annealing or annealing or annealed) same (digest or digestion or digested or restriction) same codon	USPAT	OR	OFF	2005/07/08 14:34
L5	14	((dna adj ligase) or ligation) same (anneal or annealing or annealing or annealed) same (digest or digestion or digested or restriction) same (preceding with codon)	USPAT	OR	OFF	2005/07/08 14:54
L6	333	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction) and (preceding with codon) and vector	USPAT	OR	OFF	2005/07/08 14:55
L7	93	((dna adj ligase) or ligation) and (anneal or annealing or annealing or annealed) and (digest or digestion or digested or restriction) and ((preceding with codon) same vector)	USPAT	OR	OFF	2005/07/08 15:51
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L9	0	(protein adj array) with purification	USPAT	OR	OFF	2005/07/08 15:51
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L16	23	((start adj codon) with (stop adj codon)) and (two adj marker)	USPAT	OR	ON	2005/07/08 17:12
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L22	11	((start adj codon) same label)	USPAT	OR	ON	2005/07/08 17:17
L23	0	((start adj codon) with (marker adj dna adj sequence))	USPAT	OR	ON	2005/07/08 17:19
L24	7	((start adj codon) with following with marker)	USPAT	OR	ON	2005/07/08 17:20
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L32	54	(marker) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 17:59
L33	12	(marker) with (start adj codon) with (stop adj codon)	USPAT	OR	ON	2005/07/08 18:02
L34	54	(marker) same (start adj codon) same (stop adj codon)	USPAT	OR	ON	2005/07/08 18:02
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L42	69	(his-tag or tagged or label or marker) with (start adj codon)	USPAT	OR	ON	2005/07/08 18:24
L43	1	label with flanked with dna	USPAT	OR	ON	2005/07/08 18:25
L44	0	label with flanked with (start adj codon)	USPAT	OR	ON	2005/07/08 18:25
L45	0	label with (start adj codon)	USPAT	OR	ON	2005/07/08 18:25
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L48	8	L47 and (start adj codon) and (stop adj codon)	USPAT	OR	ON	2005/07/08 18:49
L49	368	markers with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L50	93	L49 and (start adj codon) and (stop adj codon)	USPAT	OR	ON	2005/07/08 18:51
L51	32	L49 and ((start adj codon) with (stop adj codon))	USPAT	OR	ON	2005/07/08 18:51
L52	0	(two adj markers) with flanking with dna	USPAT	OR	ON	2005/07/08 19:11
L53	368	"markers" with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L54	0	L53 not (marker)	USPAT	OR	ON	2005/07/08 19:14
L55	368	markers with flanking with dna	USPAT	OR	ON	2005/07/08 19:14
L56	100	markers with flanking with dna	USPAT	OR	OFF	2005/07/08 19:15
L57	38	L56 and array	USPAT	OR	OFF	2005/07/08 19:30
L58	0	L56 and (protein adj array)	USPAT	OR	OFF	2005/07/08 19:20
L59	4	L56 and (protein with array)	USPAT	OR	OFF	2005/07/08 19:20
L60	1	("6350853").PN.	USPAT	OR	OFF	2005/07/08 19:41
L61	1	("5741645").PN.	USPAT	OR	OFF	2005/07/08 19:42